C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

8.24.d BURF for Beam Pipes

C-A-OPM Procedures in which this Attachment is used.		
8.24		

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Approved: _____***Signature on File***_____ _____
Collider-Accelerator Department Chairman Date

P. Cirnigliaro

BNL Beryllium Use Review Form

Dept **C-A**	**Building** **1002, 1006, 1008, 1010**	**Room (Area, Location)** **RHIC**

Users (Name/Life#) or (Job Title):

Vacuum Technicians

Status of beryllium use:
_X_ In use on frequent basis ___ Planned use in the near future ___ Possible Future Use
___ No planned use: ___ keep ____ dispose ___ Legacy (inherited): ___ keep ____ dispose

Describe Use or Process (such as Analytical Standard, Window, Beam Tube, Attenuator, Sample Holder, Stock Material, etc):
Beam Pipes
__X_Meets definition of "Article" ____ Meets definition of "laboratory use"

Describe Handling Procedure: (such as "*article removed from storage bag, and inserted into holder, without the need for physical alteration of article*")
Beam Pipes permanently installed

Potential for Airborne Exposure Assessment: (include measured or predicted air concentration and method of determining concentration)

None

Amount used: (such as grams per month)
1 Kg

Frequency of use: (such as # days per year or month, # tests per year, in continuous use, etc.)

Continuous

Precautions during Use: (check all that apply)
___ Always opened and used in lab hood
___ Handled on lab bench or room
___ Used in closed system
_X_ Other:
Handled only during installation
___ Parts encapsulated
___ Parts coated

Storage: (check all that apply)
___ In vented cabinet
___ On lab shelf, lab bench, or cabinet
___ Inside lab hood
_X_ Other:
In Beam Line
____ Stored in labeled bags or bottles
____ Locked area/cabinet, access control

Written Documentation:
___ Experimental Review (1.3.5)
___ Work Permit (1.3.6)
___ Written SOP (describe):
____ Material recorded in CMS Inventory
__X_ Static inventory
____ Each part bar coded

Personal Protective Equipment used:

_X_ Gloves (describe material, thickness): vinyl or nitrile disposable
___ Impervious suit ___ Lab coat ___BNL laundered clothing
___ Respirator, type:

Spill, Release, Breakage Clean-up Plan (Describe possible release scenario and action, including clean-up worker training, exposure monitoring, personal protective equipment, and disposal): **-** Will call ES&H	
Pollution Prevention Plan: (Describe pollution prevention and waste minimization measures): - Will dispose of properly.	
End of Project Plan: (Describe the actions when the use of beryllium is no longer needed, including accounting for material consumption and funding of disposal): Will dispose of properly at end of use	
Completed by: Peter Cirnigliaro	**Date:**
Reviewed by: **Asher Etkin**	**Date:**
Approved by: **Ray Karol**	**Date:**